

What's New at the Alternative Fuels Data Center March 2003

Listed below are new publications and other information made available in March through the U.S. Department of Energy's Alternative Fuels Data Center (AFDC). The AFDC is sponsored by the Clean Cities Program in the Office of Energy Efficiency and Renewable Energy (EERE), and is managed by the National Renewable Energy Laboratory. For more information, with questions, or to subscribe to this monthly update, contact Wendy Dafoe at wendy_dafoe@nrel.gov, or call 303-275-4470.

This update is posted on the Web at www.ccities.doe.gov/toolbox/coord_news.shtml.

Deadline is April 11 for the Clean Cities Conference early registration discount. See the Web site for conference details www.ccities.doe.gov/conference/palm/palm_home.shtml.

Greenhouse Gas Emission Reductions and Natural Gas Vehicles: A Resource Guide on Technology Options and Project Development:

www.netl.doe.gov/products/ccps/pubs/NGV_guide.PDF

Provides information on quantifying and documenting GHG emissions reductions from NGV projects and has information on NGV technology, cost and availability. It is 121 pages including 46 pages of appendices.

An E85 Purchasing Guide is available on the NEVC Web site at www.e85fuel.com/images/e85_vehicle_purchasing_guide.pdf. The 16-page brochure outlines FFV offerings for 2003.

A flyer describing **Fleet Day** at this year's Clean Cities Conference is available at www.ccities.doe.gov/conference/palm/pdfs/fleet_day.pdf.

Annual Energy Outlook 2003 with Projections to 2025, from EIA, published January 2003. A 267-page document with extensive appendices and lists. On the Web at [www.eia.doe.gov/oiaf/aeo/pdf/0383\(2003\).pdf](http://www.eia.doe.gov/oiaf/aeo/pdf/0383(2003).pdf).

Fuel Cell Report to Congress: February 2003

www.afdc.doe.gov/pdfs/fc_report_congress_feb2003.pdf. Prepared by DOE for Congress. Discusses DOE findings on transitioning to fuel cells in all sectors of the economy.

Fuel Cell Technology Handbook, part of a Handbook series for mechanical engineers. It is available for \$99.00 from CRC Press. Information available on the Web at http://www.crcpress.com/shopping_cart/products/product_detail.asp?sku=0877&parent_id=731&pc=

Roadmap for Biomass Technologies in the United States, www.bioproducts-bioenergy.gov/pdfs/FinalBiomassRoadmap.pdf. Produced by the Biomass Research and



Development Advisory Committee, this 47-page report identifies R&D and public policy measures for promoting bio-based fuels, power, and products.

Fuel Cell Vehicles: Race to a new Automotive Future, from Dept of Commerce, Office of Technology Policy www.ta.doc.gov/reports/TechPolicy/CD117a-030129.pdf. Identifies challenges associated with vehicle applications for fuel cells. "A snapshot of current policies and activities," addressing related challenges.

Review of Small Stationary Reformers for Hydrogen Production: www.afdc.doe.gov/pdfs/31948.pdf. A technical report produced for the International Energy Agency by Princeton University. Reviews technical options for small-scale production of hydrogen for vehicle fueling. Based on information available prior to March 2001.

Here is a quick summary of March items posted in the What's New section of the Web site.

- **DOE Ethanol Workshop to be Held in Sacramento**
DOE will sponsor the California Ethanol Workshops, (www.bbiethanol.com/doe) April 14 and 15 in Sacramento, as part of its Ethanol Workshop Series, intended to educate key officials and the public about ethanol as a transportation fuel. The theme will be "Developing Ethanol's Role in California's Energy, Economic and Environmental Future." The keynote address will present the role of ethanol in supporting the state's agricultural sector.
- **APCI, MAP to Collaborate on Kentucky Hydrogen Facility**
Air Products and Chemicals, Inc. (APCI) has entered into an agreement with Marathon Ashland Petroleum subsidiary Cattlesburg Refining to build, own, and operate a new 34 million square-foot hydrogen facility. It is a natural gas-based hydrogen steam methane reformer adjacent to Marathon's refinery in Cattlesburg, Kentucky. The facility is expected to be active by November. APCI will supply hydrogen to a 220,000 barrel per day refinery to help it produce cleaner transportation fuels from heavy sour crude feedstocks.
- **Missouri Army Base Dedicates E85 Tank**
Ft. Leonard Wood Army Base in central Missouri dedicated its E85 and B20 tank on March 4, 2003. It is the first Army base to carry two types of alternative fuels. The 10,000 gallon E85 tank will fuel the 42 E85 FFVs at the base. This number is expected to grow by 75-80 in the next few months. The project was initiated in 2001 to comply with Executive Order 13149, requiring requires the federal government to decrease petroleum use by 20% between 1999 and 2005.
- **DOE Says Private and Local AFV Mandates Not Necessary**
DOE issued a Notice of Public Rulemaking ([PDF 204 KB](#)) announcing that private fleet and local government fleet mandates are not necessary and therefore should not be imposed under EPA's Act. According to the rule, additional fleet mandates would not significantly reduce American dependence on fossil fuels.

DOE said that even if it did impose acquisition requirements, market conditions could result in their eventual suspension because there is little alternative fuel infrastructure. Suitable AFVs are not available, it said, and some alternative fuels cost more than conventional motor fuels. The decision will apply to business fleets and local government fleets, and will eliminate potential mandates for law enforcement fleets and transit buses. However, mandates already in place for state governments and fuel provider fleets remain in force.



There is a 90-day period for interested parties to submit written comments on this determination. DOE will issue its final determination in late summer or fall.

- **Tour De Sol: The Great American Green Transportation Festival**

The Tour De Sol (www.tourdesol.org) culminates in May in a series of festivals and a road-rally competition in the Northeast. It is a unique, award-winning, year-round public education campaign with state-of-the-art hybrid and fuel cell cars, buses, bikes, neighborhood vehicles, green electricity choices, renewable energy displays, and other displays of Earth-friendly products. Attendance is free.

- **Bush Administration Eases Regulations on Electric Bicycles**

President Bush signed HR 727 into law, which eases the regulatory requirements for electric bicycles with less than 1 hp and a maximum speed of 20 mph. The bill transfers the responsibility for regulating electric bicycles from the National Highway Traffic Safety Administration to the Consumer Product Safety Commission. This means they are not subject to many of the same standards as motor vehicles, but will be regulated as bicycles.

